

WHAT IS CLAIMED IS:

1. A three-dimensional CAD apparatus  
comprising:

a judgment unit arranged to judge whether to  
5 select an output processing for a 3D model from among  
a plurality of processings; and

a storage unit arranged to store a mode having  
a plurality of setting items for making the image  
processing of data for said 3D model in  
10 correspondence to the output processing of said 3D  
model;

wherein said judgment unit switches said mode  
in accordance with a selection of the output  
processing for said 3D model.

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2. The apparatus according to claim 1, wherein  
said plurality of setting items include at least one  
of hue, brightness and saturation on the face for  
said 3D model, color of edge line for said 3D model,  
20 background color, and presence or absence of  
gradation.

3. The apparatus according to claim 1, wherein  
when said judgment unit judges that the selected  
25 output processing is performed by a projection device,  
said judgment unit switches the mode to that of  
increasing the saturation on the face of said 3D

model.

4. The apparatus according to claim 1, wherein  
when said judgment unit judges that the selected  
5 output processing is performed by a printer, said  
judgment unit switches the mode to that of making a  
gradation processing on the face of said 3D model.

5. An output processing method for a three-  
10 dimensional CAD, comprising the steps of:

when an output processing of a 3D model from  
among a plurality of processings is selected,  
switching a mode having a plurality of setting items  
for making the image processing of data for said 3D  
15 model from a table storing the mode in correspondence  
to the output processing of said 3D model in  
accordance with a selection of the output processing  
for said 3D model.

20 6. The method according to claim 5, wherein  
said plurality of setting items include at least one  
of hue, brightness and saturation on the face for  
said 3D model, color of edge line for said 3D model,  
background color, and presence or absence of  
25 gradation.

7. The method according to claim 5, wherein

when the output processing by a projection device is selected, the mode is switched to that of increasing the saturation on the face of said 3D model.

5           8. The method according to claim 7, wherein when the output processing by a printer is selected, the mode is switched to that of making a gradation processing on the face for said 3D model.

10           9. A program for executing the output method of the apparatus according to claim 7.